

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1946	notoginseng	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L2	98935	arthriti\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L3	73	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L4	40	L3 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16
L5	8	L4 and ethanol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L6	146	notoginseng NEAR5 radix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:14
L7	16	L6 and (ethanol NEAR10 (extract or extraction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:13
L8	860	notoginseng NEAR5 (radix or root\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16

EAST Search History

L9	182	I8 and (extract or extraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16
L10	103	I9 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:20
L11	52	I10 and (ethanol or methanol or isopropanol or alcohol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:21
L12	19	"4317816"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:46
L13	22	I11 and (pain or inflamm\$ or arthritis)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:22
L14	2	((JUNG-KEUN) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:31
L15	1	((SE-WON) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:44
L16	0	((HYUNG-GUN) near2 (KIM)).INV.	USPAT	NEAR	ON	2007/01/28 15:32
L17	1	((HYUNG-GUN) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:32
L18	0	((JONG-YEO) near2 (KIM)).INV.	USPAT; USOCR	NEAR	ON	2007/01/28 15:33
L19	1	((JONG-YEO) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L20	1	((SUNHWA) near2 (CHANG)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L21	2	((BYUNG-EUI) near2 (LEE)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L22	0	((YOUNGNIM) near2 (CHOI)).INV.	USPAT; USOCR	NEAR	ON	2007/01/28 15:33

EAST Search History

L23	138	((DONG) near2 (JUNG)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L24	2	("4755504") or ("US2002210548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:46
L25	2	("2002210548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:46
L26	0	("20020210548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:47
L27	2	("2003152651").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:48
L28	0	("US2003152651").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:48
L29	72684	(liu).inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:48
L30	143	I29 and I1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:49
L31	11	I30 and angina	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:49

EAST Search History

S2	1946	notoginseng	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:51
S3	98935	arthriti\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:49
S4	73	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:49
S5	40	S4 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
S6	146	notoginseng NEAR5 radix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:12
S7	2	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:52

=> d his

(FILE 'HOME' ENTERED AT 15:33:53 ON 28 JAN 2007)

FILE 'HCAPLUS' ENTERED AT 15:33:59 ON 28 JAN 2007
E KIM JUNG KEUN/AU 25

L1 53 S (E3)
E KIM SE WON/AU 25
L2 39 S (E3)
E KIM HYUNG GUN/AU 25
L3 34 S (E3)
E KIM SEON YLE/AU 25
E KIM SEON /AU 25
E KIM SEON Y/AU 25
L4 19 S (E4)
E KIM JONG YEO/AU 25
L5 12 S (E3)
E CHANG SUNHWA/AU 25
L6 2 S (E3)
E BAEK DONG HEON/AU 25
L7 18 S (E3 OR E4 OR E5 OR E6)
E LEE BYUNG EUI/AU 25
L8 8 S (E3)
E KO SEONG HEE/AU 25
L9 8 S (E3)
E CHOI YOUNGNIM/AU 25
L10 17 S (E3)
E JUNG DONG SIK/AU 25
L11 8 S (E3)
E WOO HEEJONG/AU 25
L12 1 S (E3)
L13 148 S L1-L12
E NOTOGINSENG
L14 2084 S E1-E12
L15 5 S L14 AND L13
E ARTHRITIS+ALL/CT
L16 233034 S (ARTHRITIS OR "DISEASE, ANIMAL" OR "INFLAMMATION" OR "DISEASE
L17 117 S L14 AND L16
L18 34 S L17 AND EXTRACT
L19 32 S L18 NOT L15
L20 5 S L19 AND 1800<=PY<=2003

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L15 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:850879 HCAPLUS <<LOGINID::20070128>>
 TITLE: A herbal mixture extract of pleurotus eryngii,
 acanthopanacis cortex and notoginseng radix
 and a composition comprising the same for prevention
 and treatment of periodontitis
 INVENTOR(S): Kim, Jung-Keun; Kim, Se-Won;
 Kim, Hyung-Gun; Ko, Seon-Yle; Baek,
 Dong-Heon
 PATENT ASSIGNEE(S): Oscotec Inc., S. Korea
 SOURCE: PCT Int. Appl.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006088324	A1	20060824	WO 2006-KR544	20060217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
KR 2006092651	A	20060823	KR 2005-13702	20050218

PRIORITY APPLN. INFO.:

AB The present invention relates to a herbal mixture extract of Pleurotus eryngii, Acanthopanacis Cortex and Notoginseng Radix and a composition for prevention and treatment of periodontal disease containing the herbal mixture extract as an active ingredient, more precisely, a herbal mixture extract having activities of inhibiting the generation and activation of osteoclasts by enhancing the expression of osteoprotegerin (OPG) in osteoblasts, preventing alveolar bone from destruction by inhibiting the proliferation of osteoclasts and maintaining the growth of periodontal ligament cells and gingival fibroblasts, and a composition for prevention and treatment of periodontal disease containing the above mixture as an active ingredient.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 115 ibib abs 2-5

L15 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:810249 HCAPLUS <<LOGINID::20070128>>
 DOCUMENT NUMBER: 145:217822
 TITLE: Ethyl alcohol extract of notoginseng radix
 which contains a large amount of saponin and has
 inhibitory effect on osteoporosis induction
 INVENTOR(S): Baek, Jeong Hwa; Kim, Hyeon Man; Kim, Hyeong Geon;
 Kim, Jong Yeo; Kim, Jung Keun;
 Kim, Se Won; Ko, Seon Il; Lee, Byeong Ui; Oh,

PATENT ASSIGNEE(S) : Kwi Ok; Ryu, Hyeon Mo; Woo, Gyeong Mi
 SOURCE: Oscotec Inc., S. Korea
 Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7

DOCUMENT TYPE: Patent
 LANGUAGE: Korean
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2004100760	A	20041202	KR 2003-33220	20030524
KR 2005115848	A	20051208	KR 2005-112805	20051124
			KR 2003-33220	A3 20030524

PRIORITY APPLN. INFO.:
 AB Provided is an Et alc. extract of Notoginseng Radix which contains a large amount of saponin and has inhibitory effect on osteoporosis induction. Therefore, it is used for prevention and treatment of osteoporosis. The Et alc. extract of Notoginseng Radix is obtained by extracting Notoginseng Radix at 70-80 for 3-5 h using Et alc. and concentrating the extract at 20-40 under vacuum pressure. The extract contains a large amount of saponin and inhibits the induction of osteoporosis.

L15 ANSWER 3 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:739898 HCPLUS <>LOGINID::20070128>>
 TITLE: Herbal mixture extract of notoginseng radix,
 rehmanniae radix preparata and acanthopanax cortex
 and composition comprising the same for prevention and
 treatment of arthritis

INVENTOR(S) : Kim, Jung-Keun; Kim, Se-Won;
 Kim, Hyung-Gun; Ko, Seon-Yle; Baek,
 Dong-Heon; Chang, Sunhwa

PATENT ASSIGNEE(S) : Oscotec Inc., S. Korea
 SOURCE: PCT Int. Appl.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006078120	A1	20060727	WO 2006-KR199	20060118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
KR 2006084650	A	20060725	KR 2005-5425	20050120

PRIORITY APPLN. INFO.: KR 2005-5425 A 20050120

AB The present invention relates to a herbal mixture extract of Notoginseng radix, Rehmanniae radix preparata and Acanthopanax cortex, and a composition for the prevention and the treatment of arthritis comprising the same as an effective ingredient. The herbal mixture extract of the present invention can be effectively used for the prevention and the treatment of arthritis because it inhibits the release of an inflammatory substance and the synthesis of cartilage destroying

substance as well as the progress of arthritis.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:76089 HCPLUS <<LOGINID::20070128>>
 DOCUMENT NUMBER: 144:156609
 TITLE: Pharmaceutical compositions, health foods, and dentifrices containing Panax notoginseng root extracts for treatment of periodontal disease
 INVENTOR(S): Kim, Jung Keun; Kim, Se Won; Kim, Hyeon Man; Ko, Seon Yle; Baek, Dong Heon; Chang, Sun Hwa; Lee, Byung Eui; Jung, Dong Sik; Hahn, Hyon Jun
 PATENT ASSIGNEE(S): Oscotec, Inc., S. Korea
 SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006022099	A	20060126	JP 2005-196056	20050705
KR 2006003942	A	20060112	KR 2004-51859	20040705

PRIORITY APPLN. INFO.: KR 2004-51859 A 20040705

AB Water and/or alc. exts. of P. notoginseng roots are useful for prophylactic and therapeutic treatment of periodontal disease. Thus, EtOH extract of the roots inhibited release of TNF- α from human THP-1 cells, showed selective lethal effect on activated T cells, promoted proliferation of human osteoblast cells and periodontal ligament cells, and inhibited the growth of osteoclast cells.

L15 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:232670 HCPLUS <<LOGINID::20070128>>
 TITLE: Composition comprising notoginseng radix extract for preventing and treating arthritis as an effective ingredient
 INVENTOR(S): Kim, Jung-keun; Kim, Se-won; Kim, Hyung-gun; Ko, Seon-yie; Kim, Jong-yeo; Chang, Sunhwa; Baek, Dong-heon; Lee, Byung-eui; Ko, Seong-hee; Choi, Youngnim; Jung, Dong Sik; Woo, Heejong
 PATENT ASSIGNEE(S): Oscotec Inc., S. Korea
 SOURCE: PCT Int. Appl.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023281	A1	20050317	WO 2004-KR2255	20040906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

KR 2005025388 A 20050314 KR 2003-62418 20030906

EP 1660108 A1 20060531 EP 2004-774516 20040906

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

KR 2005088947 A 20050907 KR 2005-70034 20050730

US 2007014879 A1 20070118 US 2006-568257 20060213

PRIORITY APPLN. INFO.: KR 2003-62418 A 20030906
WO 2004-KR2255 W 20040906

AB The present invention relates to a composition comprising Notoginseng radix extract for preventing and treating arthritis as an effective ingredient. Notoginseng radix extract of the present invention inhibits release of tumor necrosis factor-alpha (TNF- α) and is the death of activated T-cells only, so that it can be effectively used for the production of a medicine for preventing and treating arthritis and health food as well.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

s_118 not l15
 L19 32 L18 NOT L15

=> S L19 AND 1800<=PY<=2003
 23915131 1800<=PY<=2003
 L20 5 L19 AND 1800<=PY<=2003

=> d 120 ibib abs hitstr 1-5

L20 ANSWER 1 OF 5. HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:1310905 HCAPLUS <<LOGINID::20070128>>
 DOCUMENT NUMBER: 144:45513
 TITLE: Composition comprising Xanthoceras sorbifolia
 extracts, compounds isolated from same,
 methods for preparing same, and uses thereof
 INVENTOR(S): Chan, Pui-Kwong; Mak, May Sung; Wang, Yun
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 194 pp., Cont.-in-part of U.S.
 Ser. No. 906,303.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 11
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005276872	A1	20051215	US 2005-117760	20050427
US 2003091669	A1	20030515	US 2001-944805	20010831 <--
US 6616943	B2	20030909		
WO 2003017919	A2	20030306	WO 2002-IB4750	20020828 <--
WO 2003017919	A3	20040722		
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US 2004146591	A1	20040729	US 2003-471384	20030904
WO 2005037200	A2	20050428	WO 2004-US33359	20041008
WO 2005037200	A3	20050616		
WO 2005037200	A8	20050901		
WO 2005037200	B1	20051006		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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WO 2005063273	A1	20050714	WO 2004-US43465	20041223
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NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
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US 2005220910 A1 20051006 US 2005-906303 20050214
 WO 2006029221 A2 20060316 WO 2005-US31900 20050907

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US 2006111310 A1 20060525 US 2005-267523 20051104

US 2006122129 A1 20060608 US 2005-289142 20051128

WO 2006116656 A2 20061102 WO 2006-US16158 20060427

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
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 KG, KZ, MD, RU, TJ, TM

US 2006263458 A1 20061123 US 2006-412659 20060427

PRIORITY APPLN. INFO.:

US 2001-944805 A2 20010831
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 US 2003-471384 A2 20030904
 US 2003-509851P P 20031009
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 US 2005-131551 A 20050517
 WO 2005-US31900 A2 20050907
 US 2005-267523 A2 20051104
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OTHER SOURCE(S): MARPAT 144:45513

AB This invention provides compns., methods and process of producing exts. and pure compds. from Xanthoceras sorbifolia. The extract comprises saponins and other constituents including alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides, tannins, acid, flavonoids and others.. The composition can be used for treating cancer and other conditions, such as arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris,

cardiac disorder, coronary heart disease, headache, kidney disorder, and impotence; for improving cerebral functions; or for curing enuresis, frequent micturition, urinary incontinence, dementia, weak intelligence and Alzheimer's disease, autism, brain trauma, Parkinson's, cerebral dysfunctions, and treating arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, headache, dizziness, kidney disorder. This invention provides compds. of oleanene triterpenoidal saponin in nature with the characteristics that at least one angeloyl group attache to Carbon 21 or/and 22, or/and linked to the sugar. The compds. of the present invention have various pharmaceutical and therapeutic applications.

L20 ANSWER 2 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:987700 HCPLUS <>LOGINID::20070128>>

DOCUMENT NUMBER: 141:400872

TITLE: Dietary food supplement containing natural cyclooxygenase inhibitors for inhibiting pain and inflammation

INVENTOR(S): Nair, Muraleedharan G.; Wang, Haibo; Dewitt, David L.; Krempin, David W.; Mody, Dipak K.; Qian, Yong; Groh, David G.; Davies, Audra J.; Murray, Mary A.; Dykhouse, Robin; Lemay, Marc

PATENT ASSIGNEE(S): Access Business Group International LLC, USA; Michigan State University

SOURCE: U.S., 30 pp., Cont.-in-part of Appl. No. PCT/US00/23423.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6818234	B1	20041116	US 2002-84575	20020227
WO 2001015553	A1	20010308	WO 2000-US23423	20000825 <--
WO 2001015553	A9	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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US 2005100622	A1	20050512	US 2004-945609	20040921
US 2006024397	A9	20060202		
PRIORITY APPLN. INFO.:			US 1999-151278P	P 19990827
			US 1999-151280P	P 19990827
			WO 2000-US23423	A2 20000825
			US 2002-84575	A3 20020227

AB The present invention describes food supplements that contain one or more fruit exts. useful for pain relief and anti-inflammation. The food supplements may be used to inhibit inflammation mediated by cyclooxygenase and more particularly by cyclooxygenase-2. For example, an anti-inflammatory formulation contained per unit dose elderberry extract (min. 7% anthocyanin) 50 mg, chokeberry extract (min. 10% anthocyanin) 50 mg, tart cherry extract 2.5 mg, rice powder 337.5 mg, magnesium stearate 2.25 mg, and silica 1.13 mg.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:633059 HCAPLUS <<LOGINID::20070128>>
 DOCUMENT NUMBER: 139:154875
 TITLE: Herbal composition for angina pectoris, method to
 prepare same and uses thereof
 INVENTOR(S): Yan, Xijun; Wu, Naifeng; Guo, Zhixin; Ye, Zhengliang;
 Liu, Yan
 PATENT ASSIGNEE(S): Tianjin Tasly Pharmaceutical Co., Ltd., China, Peop.
 Rep. China
 SOURCE: U.S. Pat. Appl. Publ., 83 pp., Cont.-in-part of Appl.
 No. PCT/US01/49396.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003152651	A1	20030814	US 2002-210548	20020731 <--
CN 1348815	A	20020515	CN 2001-136155	20011109 <--
WO 2002058625	A2	20020801	WO 2001-US49396	20011218 <--
WO 2002058625	A3	20030306		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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EP 1388344	A1	20040211	EP 2003-17260	20030730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
ZA 2003005860	A	20040526	ZA 2003-5860	20030730
CA 2436469	A1	20040131	CA 2003-2436469	20030731
WO 2004012651	A2	20040212	WO 2003-IB3774	20030731
WO 2004012651	A3	20040617		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003227336	A1	20040219	AU 2003-227336	20030731
AU 2003253217	A1	20040223	AU 2003-253217	20030731
BR 2003002589	A	20040831	BR 2003-2589	20030731
NZ 527311	A	20050429	NZ 2003-527311	20030731
SG 116501	A1	20051128	SG 2003-4274	20030731
JP 2005539006	T	20051222	JP 2004-525710	20030731
NZ 527372	A	20050429	NZ 2003-527372	20030805
PRIORITY APPLN. INFO.:			TW 2000-90132075	A 20001221
			US 2000-258057P	P 20001222
			CN 2001-136155	A 20011109
			WO 2001-US49396	A2 20011218
			US 2002-210548	A 20020731
			WO 2003-IB3774	W 20030731

AB This invention provides compns. comprising exts. of Radix

Salviae Miltiorrhizae, Radix Notoginseng and Borneol. Said compns. comprise notoginsenoside R1 and ginsenoside Rg1 which are active components for therapeutic applications. This invention also provides a method of preparation of the said compns. and a method of identification and determination of the amount of individual effective components of said compns. Finally, this invention provides various uses of the compns. A mixture of R. Salviae Miltiorrhizae 41.06 g, R. Notoginseng 8.03 g, borneol 0.46 g, and polyethylene glycol 6000 18 g was used to makes 1000 pills.

L20 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1996:321075 HCPLUS <>LOGINID::20070128>>
 DOCUMENT NUMBER: 124:352755
 TITLE: Compositions containing medicinal plant extracts and other ingredients for tinea treatment
 INVENTOR(S): Luo, Yan
 PATENT ASSIGNEE(S): Peop. Rep. China
 SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 4 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1113759	A	19951227	CN 1994-106261	19940601 <--
PRIORITY APPLN. INFO.:			CN 1994-106261	19940601

AB Compns. (ointments, pastes) for tinea treatment comprise sufamide, sodium chloride, fresh Panax notoginseng powder, and common analgesic and antiinflammatory drugs. The preps. were effective and nonirritating.

L20 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:463934 HCPLUS <>LOGINID::20070128>>
 DOCUMENT NUMBER: 111:63934
 TITLE: A method for extracting saponin and quercetin from Panax notoginseng and their use as analgesics and inflammation inhibitors and for treatment of circulatory diseases
 INVENTOR(S): Liu, Yaguang
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S., 6 pp. Cont.-in-part of U.S. Ser. No. 783,665, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4755504	A	19880705	US 1986-944357	19861222 <--
PRIORITY APPLN. INFO.:			US 1985-783665	A2 19851003

AB Quercetin (I) and saponin are extracted from P. notoginseng root and a composition containing them is effective in the treatment of circulatory diseases and as health food. Dried powder of Tienchi roots 1 kg was extracted with 10 L of 80% EtOH for 24 h 3 times and the 3 exts. were combined and reduced to 1 L by vacuum distillation; the extract was passed through a column packed with polyamide resin to adsorb saponin and I, the saponin was then selectively eluted with water and I was eluted with 10, 20, and 30% EtOH in sequence: the eluate containing I was concentrated and crystallized with ethanol-water mixture; the aqueous solution of saponin was passed through Dowex 50

resin column, eluted with 60% and 70% EtOH in sequence, concentrated, and crystallized with Me₂CO to give a pure saponin, namely saponin Rb1 and Rg1. The effect of the composition comprising I and the saponins, on myocardial cells under hypoxia was tested in vitro with chicken heart cells; the composition at 50 mg/mL of medium, increased the survival rate of myocardial cells as measured by labeled cell nuclei, from 9.6% without the composition to 13.1% with the composition. Also, the composition at 35 mg/mL increased the coronary blood flow by 72.7% from that of the control with perfused isolated hearts of guinea pigs and reduced the oxygen consumption of the heart muscle from 218.3 to 99 µL/100 mg heart muscle/h in the tests performed according to Warburg's monometry method. I-containing compns. had an analgesic effect in a hot plate test in rats and had an antiinflammatory effect in croton oil-induced inflammation in rats.